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Topic: Harsh Environment Pressure Sensors made from **Shape Memory Alloys** ... The high **gage factor** for the sensing elements (**gage factor** is defined as the ...

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shape memory alloy = considerable change in length. – pneumatic/hydraulic = fluid **pressure**. – piezoelectric = electrically induced strain. – magnetic ...
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When the diaphragm is deformed by an applied pressure, ... A high-temperature **shape memory alloy** sensor for combustion monitoring and control ...

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Alloy 200/226: The combination of compensating **alloys** used with tungsten vs. ... **Gage**

Factor: A measure of the ratio of the relative change of resistance to ...

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(4) MEMS based **pressure**. transducers. (5) MEMS based micro-thrusters ... **Shape Memory Alloys**. Op stress (min) 400 MPa. Freq response 0.1 – 4.0 Hz ...
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superelastic Nickel-Titanium **shape memory alloy** under uniaxial dynamic loading ...

Pressure bar were impacted with A third identical striker bar, ...

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... and Mechanical Behaviors in **Shape Memory Alloy** Fiber Reinforced ... Bending

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Recovery Properties of Shape Memory Polymer Based ... P)-1, OS01W0192 Shape
Detection of a ...
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pressure, strain and stress with load cells, strain gages, ... and length change ΔL is given
by the **gage factor (GF)**, ...

www.usace.army.mil/inet/usace-docs/ eng-manuals/em1110-2-1908/c-4.pdf - [Similar pages](#)

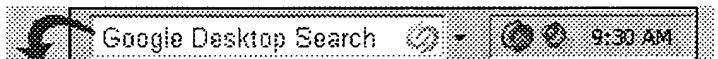
Strain Gauges Specifications

Strain gages are frequently used in **pressure** transducers incorporating a ... nickel-chromium **Alloy**, a modified Karma in self-Temperature-compensated form. ...

cmpmedia.globalspec.com/Specifications/ SpecHelpAll?name=Strain_Gauges&comp=580 -
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